

Burning Characteristics of Lumasite® Sheets and Diffusers

All varieties of LUMAsite® sheets are available in a general purpose version that is not fire-rated in any thickness. The general-purpose version exhibits a burning rate consist with a CC2 classification when tested by the ASTM D635 method.

Some varieties of LUMAsite® sheets are available in Type FR (fire-resistant) version. Frost-SOS Type FR, Parchment-SOS Type FR and White 1000-SOS Type FR are all readily available.

Version:	General Purpose	Fire Resistant
Self Ignition Temperature	990 ° F	900° F
Flash Ignition Temperature	780° F	870° F

Flame spread and smoke generated values by the ASTM E84 test method are shown below:

Thickness:	.125"	.250"
Flame spread value	110	115
Smoke Developed Value	200	250

Based on these results, the type FR falls into a Class C (Interior Wall and Ceiling Finish as defined by NFPA 255) for the thickness tested.

In ceiling applications, diffuser panels cut from LUMAsite® sheets (general purpose or Type FR) do not drip melted polymer when they burn and ordinarily do not fall from the installation in a fire situation.

These materials are combustible. The test results reported here are based on specific test methods and are not indicative of burning characteristics in all fire situations.

Request additional information or copies of test reports by fax to 631-422-2811 or email to lumasite@aol.com.